

C	1	44.4	2.8	31.47	2	US-09-027-337-1	Sequence 1, Appl1
C	2	44.4			4	US-09-644-600-1	Sequence 1, Appl1
C	3	44.4	2.8	31.47	4	US-09-644-600-18	Sequence 18, Appl1
C	4	42.6	2.7	72.18	1	US-08-322-463-14	Sequence 14, Appl1
C	5	42.6	2.6	97.1	4	US-09-535-008-39	Sequence 39, Appl1
C	6	42	2.6	2800	4	US-09-027-337-9	Sequence 9, Appl1
C	7	42	2.6	2500	4	US-09-644-600-9	Sequence 9, Appl1
C	8	41.6	2.6	975	4	US-09-352-991A-600-9	Sequence 8324, Appl1
C	9	41.6	2.6	1309	4	US-09-352-991A-1224	Sequence 8158, Appl1
C	10	40.8	2.6	1678	4	US-08-650-766-2	Sequence 2, Appl1
C	11	40.8	2.6	1678	4	US-09-189-487-2	Sequence 2, Appl1
C	12	40.8	2.6	1554	3	US-08-922-633-2	Sequence 3, Appl1
C	13	40.8	2.6	3318	3	US-08-530-766-3	Sequence 3, Appl1
C	14	40.8	2.6	3318	3	US-08-922-633-3	Sequence 3, Appl1
C	15	40.8	2.6	3318	4	US-09-189-487-3	Sequence 3, Appl1
C	16	40.8	2.6	3385	3	US-08-550-766-1	Sequence 1, Appl1
C	17	40.8	2.6	3385	3	US-08-922-633-1	Sequence 1, Appl1
C	18	40.8	2.6	3385	4	US-09-189-487-1	Sequence 1, Appl1
C	19	40.8	2.6	3385	4	US-09-352-991A-600-1	Sequence 1, Appl1
C	20	40.8	2.6	15302	4	US-09-352-991A-14671	Sequence 21, Appl1
C	21	39.6	2.5	3751	4	US-09-352-991A-14671	Sequence 16371, Appl1
C	22	39.6	2.5	3751	4	US-09-352-991A-14671	Sequence 16355, Appl1
C	23	39.6	2.5	3602	4	US-09-535-008-39	Sequence 17951, Appl1
C	24	38	2.4	1773	4	US-08-943-731-25	Sequence 215, Appl1
C	25	38	2.4	6466	3	US-08-943-731-640	Sequence 640, Appl1
C	26	37.8	2.4	2188	4	US-07-865-6667-10	Sequence 10, Appl1
C	27	37.8	2.4	2188	3	US-08-734-218B-10	Sequence 10, Appl1

28	37.6	2.4	7892	2	US-07-916-098A-40	Sequence 40, App1
29	37.5	2.3	1422	4	US-08-979-608A-13	Sequence 13, App1
30	37.4	2.3	1617	4	US-08-979-608A-11	Sequence 11, App1
31	36.6	2.3	2635	3	US-09-126-280-3	Sequence 3, App1
32	36.6	2.3	2670	3	US-09-126-280-1	Sequence 1, App1
33	36	2.3	2961	2	US-08-407-875-1	Sequence 1, App1
34	35	2.3	2961	4	US-09-237-885-1	Sequence 1, App1
35	35.8	2.2	4195	1	US-08-340-011-1	Sequence 1, App1
36	35.8	2.2	4195	3	US-08-501-710-1	Sequence 1, App1
37	35.8	2.2	4416	3	US-08-795-430-1	Sequence 1, App1
38	35.8	2.2	4416	4	US-09-355-700-1	Sequence 1, App1
39	35.8	2.2	4416	1	US-08-601-132-16	Sequence 36, App1
40	35.8	2.2	4425	1	US-08-222-616-11	Sequence 31, App1
41	35.8	2.2	4425	4	US-08-446-648-11	Sequence 31, App1
42	35.8	2.2	4425	5	PCT-U995-04628-31	Sequence 31, App1
43	35.8	2.2	4795	1	US-08-340-011-3	Sequence 3, App1
44	35.8	2.2	4795	3	US-08-901-710-3	Sequence 3, App1
45	35.8	2.2	9108	4	US-08-446-648-45	Sequence 45, App1

ALIGNMENTS

```

RESULT 1
US-09-027-337-1/C
Sequence 1, Application US/09027337B
Patent No. 5972616
GENERAL INFORMATION:
APPLICANT: O'Brien, Timothy J.
APPLICANT: Tanimoto, Hirotsoshi
TITLE OF INVENTION: TADG-15: An Extracellular Serine Protease Overexpressed in
TITLE OF INVENTION: Breast and Ovarian Carcinomas
FILE REFERENCE: D5064
CURRENT APPLICATION NUMBER: US/09/027,337B
CURRENT FILING DATE: 1998-02-20
NUMBER OF SEQ ID NOS: 13
SEQ ID NO 1
LENGTH: 3147
TYPE: DNA
ORGANISM: Homo sapiens
FEATURES:
LOCATION: 23..2589
OTHER INFORMATION: cDNA sequence of TADG-15
US-09-027-337-1

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Query Match	2.8%	Score 44.4	DB 2	Length 3147
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Matches 159; Conservative 0; Mismatches 171; Indels 2; Gaps 1,

[illegible]

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Query Match Similarity 2.8%; Score 44.4; DB 4; Length 3147;
Best Local Similarity 47.9%; Pred. No. 0.041;
Matches 159; Conservative 0; Mismatches 171; Indels 2; Gaps 1

QY 7 ATGGCGGGGGCCGAGCGCTGGGGCCCCCTGCTCTCTGTGCTCTCTGACGCCCTCCAGGG 66
DB 504 ATGCTGAACCTACAGCAGTAGAGGCGATGACGTGCTCCCTGCTTAAAGGCGCTTCACAGCC 445
QY 67 AGGCCCCGATGTGGCCCCCTCCCGAATGTGACGTGCTCTCCAGAACCTTCAGCGTGTAC 126
DB 444 GACTCTCTTGTGTAGAGGGGCCCAAGAAATGGACCTCCCTGTACAGACGCTTCAGGCGTCC 385
QY 127 CTGACATAGGCTCCAGAGGCTTGTGGCAACCCCGAGATGTACCTATTTTGTGGCCATCAGA 186
DB 384 TTCACTCTTGCTGGCCAGCGCTTTCAGAACTCAGTGAAGTTGAATTCTCGTAGGCATCACA 325
QY 187 GCTCTCCACCCGTAGACGCTGGCCGCAAGTGAAGATGTGCGGAACCAAGAGCTGC 246
DB 324 AAATTCATCTTTGTGATCTCTCATGTAGCAATGAAACCTCTGACACGCACTCCCG 265
QY 247 TATGTTCTATGATGTCTCTGAAGAAACAGACCTGTACAAACAAGTTCAAGGAACGCGTGC 306
DB 264 TACTGCAAAATGCCACACGAG--GAAGCGAATCCCAAGCAAGACAAAGAGGCCATCA 207
QY 307 GAGCGCTTTCTCCCACTCTCAAGTCCCTCCG 338
DB 206 GCACGGCTGCCAGACCAACCCAGCCGCCCGG 175

RESULT 3
US-09-644-600-18
/ Sequence 18, Application US/09644600
/ Patent No. 6451500
/ GENERAL INFORMATION:
/ APPLICANT: O'Brien, Timothy J.
/ APPLICANT: Tanimoto, Hirotsoshi
/ TITLE OF INVENTION: TADG-15: An Extracellular Serine Protease
/ TITLE OF INVENTION: Overexpressed in Carcinomas
/ FILE REFERENCE: D6064C1P/D
/ CURRENT APPLICATION NUMBER: US/09/644, 600
/ PRIOR FILING DATE: 2000-08-23
/ PRIOR APPLICATION NUMBER: 09/421,213
/ PRIOR FILING DATE: 1999-10-20
/ PRIOR APPLICATION NUMBER: 09/027,337
/ PRIOR FILING DATE: 1998-02-20
/ NUMBER OF SEQ ID NOS: 98
/ SEQ ID NO 18

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Qy	7	TGAGCGGGGCGCGAGCGCGGGAGGCGCCCTCTCTGTGTGCTGTGCAAGGCGCTCCAGG	66
Db	2644	AUCCGAAACACAGAACCAAGAAUAGGCAUAGACGUCCUCUGCCUAGAGCCUCCUACAGCC	2703
Qy	67	AGGCGCCGCTGTGGCCCTTCGCCAATGTGAAGCGTGTCTCCAGAACTTCAGCGTGTAC	126
Db	2704	GACUCCUUGUUGAAGGAGGCCAGGAAAGGGGACUCCGCGUAGACACUCCACGCGGUC	2763
Qy	127	CTGACATGAGCTGCCAGGCGCTGTGGCAAGCCCGCAGATGTGACCTATTTTGTGGCGATCAGA	186
Db	2764	UACACUUGUGGCGCAGGCGUAAACAACTCAGAGAGUUGAGAUUCUGUAGGCAUCCACA	2823
Qy	187	GCTCTCCCAACCGGTAGACGGTGGGCGGAGAGTGGAAAGTGTCCGGAAACCAAGAGCTGC	246
Db	2824	AAAUUCCAUUUGUUAUUCUACUAGAACCUUAGAACCUUCUAGACAGCAAGUCCCG	2883
Qy	247	TATGTTCTATGATGTGTGCTGTGAAGAAAGGACCTGTACAAACAATTCMAAGGACGGCTGC	306
Db	2884	UACUGCAAAUUGGACACAGCAG--GAGGCCGAUUCGCCAGCAAGACAAAGAGGCGCAUACA	2941
Qy	307	GGAGCGTTTCTCCAGGCTCCAAATGTCCTCCCTCG	338
Db	2942	GCAAGGCUAGCAGACACACCCACAGGCGCCCGGG	2973

RESULT 4
US-08-232-463-14/c
Sequence 14, Application US/08232463
Patent No. 5670367
GENERAL INFORMATION:
APPLICANT: DORNER, F.
APPLICANT: SCHRIJNER, F.
APPLICANT: FALKNER, F. G.
TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS
NUMBER OF SEQUENCES: 52
CORRESPONDENCE ADDRESS:
ADDRESSEE: Foley & Lardner
STREET: 1800 Diagonal Road, Suite 500
CITY: Alexandria
STATE: VA
COUNTRY: USA
ZIP: 22313-0299
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/232.463
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/995.313
FILING DATE:
APPLICATION NUMBER: EP 91 114 300.6
FILING DATE: 26-AUG-1991
ATTORNEY/AGENT INFORMATION:
NAME: BENT, Stephen A.
REGISTRATION NUMBER: 29,768
REFERENCE/DOCKET NUMBER: 30472/114 IMMU
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703)836-9300

Mon. Sep 22 11:34:32 2003

us-10-026-106e-7.rn1

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: TELEFAX: (703) 683-4109
: TELEX: 899149
: INFORMATION FOR SEQ ID NO: 14:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 7218 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: IMMEDIATE SOURCE:
: CLONE: pTZspc-F18
:
: US-08-232-463-14

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Mon Sep 22 11:34:32 2003

us-10-026-106e-7.rn1

Page 5

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APPLICANT: PILETZ, John E.
APPLICANT: IVANOV, Tina R.
TITLE OF INVENTION: DNA SEQUENCE ENCODING A HUMAN IMIDAZOLINE RECEPTOR AND
FILE REFERENCE: METHOD FOR CLONING THE SAME
FILE REFERENCE: Corrected Sequence Listing
Patent No. 6015690
CURRENT APPLICATION NUMBER: US/08/650,766D
CURRENT FILING DATE: 1996-05-20
EARLIER APPLICATION NUMBER: US 60/012,600
EARLIER FILING DATE: 1996-03-01
NUMBER OF SEQ ID NOS: 21
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 2
LENGTH: 1678
TYPE: DNA
ORGANISM: Homo sapiens
US-08-650-766-2

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Query Match	2.6%	Score 40.8	DB 3	Length 1670
Best Local Similarity	56.8%	Pred. No. 0.29	Mismatches 57	Indels 0
Matches	75	Conservative	0	Gaps 0

Qy	971	TCGACAGCAGGAGAGAGAGATGAGAGAGACACAGAGATGGCTCAGCTTCCAGCC	103
Db	663	TGACACAGGCGAGAGAGAGATGAGAGAGAGAGAGAGAGAGAGAGAGCTGCTGAGAACG	722
Qy	1031	CTACATTGAAACACCTTCTTCTCGGGGCAAGACACAGGCTCCAGGGGCACTCGGAGCC	1099
Db	723	CTACTTTGAAATGGGGCCCCCAGACGTGAGAGAGAGAGAGAGAGAGGCTCAGGGGAGGA	782
Qy	1091	TGATGGGATGGA	1102
Db	783	AGAGGAGAGAGA	794

RESULT 11
 US-09-389-487-2
 Sequence 2, Application US/09389487
 Patent No. 6576742
 GENERAL INFORMATION:
 APPLICANT: PILETZ, John E.
 APPLICANT: IVANOV, Tina R.
 TITLE OF INVENTION: DNA SEQUENCE ENCODING A HUMAN IMIDAZOLINE RECEPTOR AND
 TITLE OF INVENTION: METHOD FOR CLONING THE
 SAME
 FILE REFERENCE: Corrected Sequence Listing
 Patent No. 6576742
 CURRENT APPLICATION NUMBER: US/09/389,487
 CURRENT FILING DATE: 1999-09-03
 EARLIER APPLICATION NUMBER: US 08/650,766
 EARLIER FILING DATE: 1996-05-20
 NUMBER OF SEQ ID NOS: 21
 SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO. 2
 LENGTH: 1678
 TYPE: DNA
 ORGANISM: Homo sapiens
 US-09-389-487-2

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	Best Local	Similarity	56.8%	Pred. No. 0.29	57	Indels 0
	Matches	75	Conservative	0	Mismatches	0
					Gaps	0
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Db	663	TGACAGAGGAGAGAGAGATGAGAGAGAGAGAGAGAGAGAGAGAGAGCTGCTCAGAACG	722			
Qy	1031	CTACATTGAACCACTTTCTTTCTGGGCAAGAGCACCAGCTCCAGGGCACTCGAGGC	1090			
Db	723	CTACTTTGAATATGGGCCCCCAGACGTGGAGAGAGAGAGAGAGAGAGGCGCAGGGGAGGA	782			
Qy	1091	TGGTGGGCTGGA	1102			
Db	783	AGAGAGAGAGGA	794			

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RESULT 12
US-08-922-635-2
/ Sequence 2, Application US/08922635A
/ Patent No. 6033871
/ GENERAL INFORMATION:
/ APPLICANT: PILETZ, John B.
/ ATTORNEY: IVANOV, Tina R.
/ TITLE OF INVENTION: DNA MOLECULES ENCODING IMIDALINE RECEPTIVE POLYPEPTIDES
/ TITLE OF INVENTION: AND POLYPEPTIDES ENCODED THEREBY
/ FILE REFERENCE: Corrected Sequence Listing
/ Patent No. 6033871
/ CURRENT APPLICATION NUMBER: US/08/922,635A
/ CURRENT FILING DATE: 1997-09-03
/ EARLIER APPLICATION NUMBER: 08/650,766
/ EARLIER FILING DATE: 1996-05-20
/ EARLIER APPLICATION NUMBER: 60/012,600
/ EARLIER FILING DATE: 1996-03-01
/ NUMBER OF SEQ ID NOS: 22
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 2
/ LENGTH: 1954
/ TYPE: DNA
/ ORGANISM: Homo sapiens
US-08-922-635-2

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Query Match	2.6%	Score 40.8	DB 3	Length 1954
Best Local Similarity	56.8%	Pred. No. 0.31		
Matches	75	Conservative	0	Mismatches 57, Indels 0, Gaps 0,
Dy	971	TCGACAGACGAGAGAGAGATGAGAGGACACAGAGAGTGCCTGACTTCCAGCC	1030	
Db	663	TGAAACAGGCGAGAGAGAGATGAGAGAGAGAAAGAGAGAGACCTGGCTGAAACCG	722	
Dy	1031	CTACATTGAACCACTTCTTTCCTGGGGCAAGACACAGGCTCCAGGGCACTTCGAGGC	1090	
Db	723	CTACTTTGAATGGGGCCCCCAGACGTGGAGGAGGAGGAGGAGGAGGACGACGAGGGAGGA	782	
Dy	1091	TGGTGGGTGGA	1102	
Db	783	AGAGAGAGAGGA	794	

RESULT 13
 US-08-650-766-3
 Sequence 3, Application US/08650766D
 Patent No. 6015690
 GENERAL INFORMATION:
 APPLICANT: PILETZ, John R.
 APPLICANT: IVANOV, Tina R.
 TITLE OF INVENTION: DNA SEQUENCE ENCODING A HUMAN IMIDAZOLINE RECEPTOR AND
 TITLE OF INVENTION: METHOD FOR CLONING THE SAME
 FILE REFERENCE: Corrected Sequence Listing
 Patent No. 6015690
 CURRENT APPLICATION NUMBER: US/08/650,766D
 CURRENT FILING DATE: 1996-05-20
 EARLIER APPLICATION NUMBER: US 60/012,600
 EARLIER FILING DATE: 1996-03-01
 NUMBER OF SEQ ID NOS: 21
 SOFTWARE: PatentIn Ver. 2.0
 SEQ. ID NO. 3
 LENGTH: 3318
 TYPE: DNA
 ORGANISM: Homo sapiens
 US-08-650-766-3

Query Match	2.6%	Score 40.8	DB 3	Length 3318
Best Local Similarity	56.8%	Pred. No. 0.38		
Matches 75	Conservative 0	Mismatches 57	Indels 0	Gaps 0
971	TCGAGAGACGAAAGAGAGAGATGAGAGGACACAGAAATGGCTTCCAGCC	1030		

